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Small Quanty GENERATOR

attached are spec sheets on the type of cookants used in one metal working, is turning milling + Grinding, . Some is contaminated with small quanities of oil.

CIMPERIAL 1011

RECOMMENDED STARTING DILUTIONS

Operation	Carbon Steels Cast Steels	High Alloy Steels, Stainless Steels	Aircraft, Tool Steels	Copper, Aluminum
Milling, Drilling, Turning	1:25 (4.0%)	1:25 (4.0%)	1:20 (5.0%)	1:25 (4.0%)
Machining — heavy duty	1:20 (5.0%)	1:20 (5.0%)	1:15 (6.7%)	1:20 (5.0%)
Reaming, Tapping, Broaching, Form Milling	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.0%)	1:10 (10.000)
Grinding	1:30 (3.3%)	1:25 (4.0%)	1:20 (5.0%)	1:30 (3.300)
Cutoff & Sawing	1.15 (6.7%)	1:10 (10.0%)	1:10 (10.0%)	1:15 (6.7%)

CIMPERIAL 1011 is to be mixed with water for use. Add no other substances to the concentrate or mix unless approved by Cimcool Technical Services (513-841-8133).

RECOMMENDED CIMCOOL MIX MASTER PROPORTIONER TIP SIZES

Dilution	1:10 (10.0%)	1:20 (5.0%)	1:25 (4.0%)	1:30 (3.3%)	1:40 (2.5%)
Tip Size	46	50	52	53	56

After installation of the tip, titrate the mix to be sure the concentration is correct. Leaner dilutions may be needed for makeup.

For concentration analysis, use the CIMCOOL Genetron Titration Procedure or the CIMCOOL "Mini" Kit I.

TYPICAL PHYSICAL AND CHEMICAL **PROPERTIES**

Physical stateliquid
Appearance and odor hazy; sassafras or evergreen
Colors available green, undyed
Solubility in water (appreciable; emulsifiable) greater than 10%
Weight, lb/gal, 60 °F (15.6 °C)8.33
Specific gravity (H₂O = 1)
Boiling point, °F (°C) not determined
Flash point, COC, °F (°C)
Fire point, COC, °F (°C)
When mixed with water for use, the flash and fire points are raised beyond the range of the COC method.
raised beyond the range of the ede method.

Extinguishing media..... foam, carbon dioxide Unusual fire & explosion hazards..... none

If frozen, thaw completely at room temperature.

pH, concentrate..... not applicable pH, 1:20 (5.0%) mix, typical operating conditions..... Total chlorine/chloride, wt %, calculated.................... 8.4/0.00004 Diethanolnitrosamine, mercurials, PCB's, phosphates,

PACKAGING

Available in 5-gallon pails, 55-gallon drums, Liqua Bins, and in tank truck and tank car quantities.

Do not reuse container before cleaning. After cleaning, remove label and relabel appropriately.

DOT LABELING REQUIREMENTS Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101): Not a hazardous material

Hazard Class (49 CFR 172.101):

Not applicable

Product Safety Data

CIMPERIAL 1011

HEALTH HAZARD DATA

Not for internal consumption.

Emergency and First Aid Procedures:

Skin-Avoid prolonged contact with concentrate. Flush with water.

Eyes-In case of contact with concentrate, flush with running water for 15

minutes. Call a physician.

Ingestion— If concentrate is swallowed, do not induce vomiting. Dilute with

water or milk. Call a physician.

Inhalation— No first aid required; not volatile

The following toxicity tests were conducted in accordance with the techniques specified in the Regulations for the Enforcement of the Federal Hazardous Substances Act (Revised, Federal Register, September, 1973). Data estimated from test results on a similar formula.

Acute Oral Toxicity (LD₅₀—Rats)— Above 5 g/kg (undiluted).

Acute Inhalation Toxicity (LC₅₀—Rats)—Above 20 mg/l for a 10% mix.

Acute Eye Irritation (Rabbits)— Positive (undiluted); negative for a 10% mix —

no irritative or corrosive effects.

Primary Skin Irritation (Rabbits)-

Negative (undiluted); noncorrosive and not a

primary skin irritant.

Acute Dermal Toxicity (LDso—Rabbits)—Above 2 g/kg (undiluted).

Additional Testing:

Bacterial Mutagenic (Ames) Test —

Nonmutagenic.

REACTIVITY DATA

Stability-Stable.

Hazardous polymerization-Will not occur. Incompatibility (materials to avoid)-None known.

What volatile products are given off if subjected

to open flame or abnormally high temperatures—Water vapor, carbon dioxide, and organic vapors.

SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled - Flush with water.

Recommended disposal method(s)—

Ultrafiltration, acid-alumpolymer chemical treatment, followed by phenol-removing procedures (if required), or high temperature incineration.

SPECIAL PROTECTION INFORMATION

Respiratory Protection— None required.

Ventilation-No special requirements.

Protective Gloves-Not required.

Eye Protection-Safety goggles recommended when handling

concentrate.

Other Protective Equipment - Normal metalworking plant protective equipment.

SPECIAL PRECAUTIONS

Handling and Storage— Avoid open flames, sparks, and temperatures over 335°F

(168°C).

Precautionary Labeling - See product label. Product labels for use in shop available to bulk users.

Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.

Products Division | Cincinnat Milacron Marketing Company

Cincinnati, Ohio 45209

PC 809-3



LUSCON INDUSTRIES CORPORATION



281 SILVER SANDS ROAD EAST HAVEN, CONN. 06512 (203) 469-2336

PRODUCT DATA

VELVESOL 60

DESCRIPTION:

VELVESOL 60 is a new generation, full synthetic water miscible cutting and grinding fluid. VELVESOL 60 is a general to heavy duty premium fluid designed to give maximum versatility to cut inventory cost. VELVESOL 60 is semi-transparent, rapid cooling, rust inhibited, non-gumming, non-foaming, and highly resistant to bacterial growth. Its unique E.P. characteristics provide unusually good tool and wheel life. VELVESOL 60 may be diluted with a greater amount of water than most synthetics. Its superior cleanliness makes it pleasant to use.

TYPICAL INSPECTIONS:

pH Concentrate	10.2
pH Dilute 25:1	9.4
Pounds/Gallon	8.57
Specific Gravity @ 60°F	1.03
Viscosity, SUS @ 100°F	1,000 (Approx.)
Color Diluted	Translucent Blue

APPLICATION:

Generally VELVESOL 60 may be varied in dilution to meet most machining and grinding applications. It is a truly shopwide product and may be used in the following dilutions on both ferrous and non-ferrous metals except magnesium.

-	Turning, Milling	25-	to	40:1
-	Broaching and Cut Off Sawing	15	to	30:1
-	Form and Centerless Grinding	30 1	to	45:1
-	Tapping, Drilling & Threading	15	to	30:1
-	General Grinding	40 1	to	60:1
-	Spray Mist	20 1	to	40:1

SAFETY:

VELVESOL 60 is a non-hazardous product. VELVESOL 60 is nitrite, phenol, chlorine and sulfur free. OSHA Material Safety Data Sheet is available upon request.

Occupational Safety and Health Administration

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

A section was applicable and leastly a	SECTION	the bear many other dual and analysis of
MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO.
Luscon Industries Corporation		(203) 469-2336
ADDRESS (Number, Street, City, State, and ZIP Code) 281 Silver Sands Road, East Ha	aven, Conne	ecticut 06512
CHEMICAL NAME AND SYNONYMS	BVA (III 2400)	TRADE NAME AND SYNONYMS Velvesol 60
CHEMICAL FAMILY Synthetic Cutting Fluid	FORMU	ULA ·

PAINTS, PRESERVATIVES, & SOLVENTS	%	(Units)	ALLOYS AND METALLIC COATINGS	*	TLV (Units)
PIGMENTS		N.A.	BASE METAL		N.A.
CATALYST		N.A.	ALLOYS		N.A.
VEHICLE		N.A.	METALLIC COATINGS		N.A.
SOLVENTS ·		N.A.	FILLER METAL PLUS COATING OR CORE FLUX		N.A.
ADDITIVES .		N.A.	OTHERS		N.A.
OTHERS		N.A.			
HAZARDOUS MIXTURE	S OF C	THER LIC	DUIDS, SOLIDS, OR GASES	*	TLV (Units)
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SI.	ECTION-III - F	HYSICAL DATA	
BOILING POINT (F)	212°	SPECIFIC GRAVITY (H20=1)	8.8
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT, VOLATILE : BY VOLUME (%)	60
VAPOR DENSITY (AIR=3)	1	EVAPORATION RATE	1
SOLUBILITY IN WATER	Complete	a idear test may a	ligard and ton 202

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lal	Uel
EXTINGUISHING MEDIA			
CO, dry chemical or	water ,		
SPECIAL FIRE FIGHTING PROCEDURES None	•		The state of
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UNUSUAL FIRE AND EXPLOSION HAZARDS			

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					well attreation substitute.
		SECTION	ON VI -	REACTIVITY D	ATA
STABILITY	UNSTABLE	NSTABLE CONDITIONS TO AVOID			
	STABLE	x	stro	ng oxidizers s	uch as perchloric acid
INCOMPATABILITY	(Materials to avoid	81 1	11		I WESTERS OF THE STREET
HAZARDOUS DECO	MPOSITION PROD	UCTS	NO, SO	; co, co,	
HAZARDOUS	MAY OCC	UR		CONDITIONS TO	AVOID
POLYMERIZATION	WILL NOT	OCCUR	Х		
				OR LEAK PRO	CEDURES
STEPS TO BE TAKE	N IN CASE MATER	RIAL IS RE	LEASED OR	SPILLED	
Dilute with	n cofious amo	unts of	water an	nd mop it up or	mechanically clean up with
absorbant.					
WASTE DISPOSAL		ct is bi	odegrada	able. Dilute w	vith sufficient amount of
water for					th local, state and federal
laws.				•	
	STATE OF THE STATE		SPECIAL	PROTECTION II	NFORMATION
RESPIRATORY PRO			Normal1	y not needed	
ENTILATION .	LOCAL EXHAUS				SPECIAL .
1 .	MECHANICAL (G	eneral)	rige ()	-Asult 1	OTHER .
Protective	ES hand cream d	esireabl	e	EYE PROTECTIO	goggles
THER PROTECTIV	E EQUIPMENT				C. H. C. See
				CIAL PRECAU	TIONS
RECAUTIONS TO E	E TAKEN IN HAN	DLING AND	STORING		
Store in st	eel tank or o	rum bel	wo 120°F	and above 32°	<u> </u>
Do not appl	y high heat o	or flame	to cont.	ainer.	
AGE (2)		•			Form OSHA

Rev. May 72



THE WHITE & BAGLEY COMPANY

WORCESTER * MASS.

W & B CONCENTRATE 5610

INFORMATION AND APPROXIMATE SPECIFICATIONS

W & B Concentrate 5610 is a high performance semi-synthetic nitrite free product that can be used for machining or grinding steel, cast iron or aluminum. The presence of extreme pressure lubricants in this product insures performance in difficult machining and grinding operations. This feature plus its long tank life makes this product ideal for use in individual tanks and central systems.

8.80 Weight per gallon 1.05 Specific Gravity Flash Point None Sulphates None Nitrites None Phenols None Sulfur Less than 1% Chlorine None Fat Less than 5% Petroleum Oil Less than 10% Approx. 9.3 pH (5% Solution) Foam Tendency None Resistance to attack by bacteria Excellent Appearance of concentrate Dark Green Transparent Fluid

This product can be prepared for disposal using the standard aluminum sulfate-sulfuric sid treatment.

1 1 mm Approved · Budget Bureau No. 44-R1387 Approval Expires JUL 30 1972

U.S. DEPARTMENT OF LABOR



WAGE AND LABOR STANDARDS ADMINISTRATION Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

		SECT	ION I		4
MANUFACTURER'S NAME The White & Bagley Comp.	anv		EMERGENCY TELEPHONE 617-791-3201	NO.	
ADDRESS (Number, Street, City, State, and ZIP Co. 150 Worcester Center Blvc	gde)	Mores	C1 = 00 = 001 =	F F	Ahern
CHEMICAL NAME AND SYNONYMS	1.,	worce:			
	COLUMN	1002	TRADE NAME AND SYNONYMS W&B Concentrate 56.	10	
Coolant Coolant			Proprietary	70.85	
SECTIO	II NO	HAZAI	DOUS INGREDIENTS		
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS	+		FILLER METAL	+	
ADDITIVES	-	TABLE	PLUS COATING OR CORE FLUX		
			OTHERS		
OTHERS			w due coult and the tiles of		
HAZARDOUS MIXTURE	SOFO	THER LIG	UIDS, SOLIDS, OR GASES	%	TLV (Units
					(0
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	www.chinesee	CONTRACTOR OF THE PARTY OF	HYSICAL DATA SPECIFIC GRAVITY (H20=1)		1.04
s	www.chinesee	CONTRACTOR OF THE PARTY OF	HYSICAL DATA SPECIFIC GRAVITY (H20=1) PERCENT VOLATILE		1.04
BOILING POINT (F.)	www.chinesee	CONTRACTOR OF THE PARTY OF	HYSICAL DATA SPECIFIC GRAVITY (H20=1)		1.04
BOILING POINT (F.) VAPOR PRESSURE (mm Hg.) VAPOR DENSITY (AIR=1)	CTIO	NEUL E	HYSICAL DATA SPECIFIC GRAVITY (H2O=1) PERCENT VOLATILE BY VOLUME (%)		1.04
BOILING POINT (F.) VAPOR PRESSURE (mm Hg.) VAPOR DENSITY (AIR=1) SOLUBILITY IN WATER	CTIO	100%	PERCENT VOLATILE BY VOLUME (*) EVAPORATION RATE (=1)	33	1.04
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100 - 100 - 100 may - 20 1 x 20 2	A STATE OF THE STA	SEGMON		LTH HAZARD DATA
THRESHOLD LIMIT				ing 5 Miligrams/cu. meter as
EFFECTS OF OVERE	RPOSURE Set for	Mineral	l Oil Mi	sts by ACGIH*
	1131	2 11	AG · V	TRR2 MARRIEM FE
EMERGENCY AND F	RST AID PROCEDURES	Eye	e Conta	ct: flush with water for 15 minutes, get
, m	edical attention	on.		
*	American Conf	erence o	of Gove	rnmental Hygienists
Comments and the Per-	Solition of a periodical		a de la tand	
		SECTIO	-	EACTIVITY DATA
STABILITY	UNSTABLE		CONDITION	S TO AVOID
	STABLE	X	0000*	
		inhibito	r is use	pronze or brass unless copper corrosion d.
HAZARDOUS DECO	MPOSITION PRODUCTS			
HAZARDOUS	MAY OCCUR	t		CONDITIONS TO AVOID
POLYMERIZATION	WILL NOT O	CCUR	X	
Cont	oin spill and t	RELEASED O	R SPILLED	OR LEAK PROCEDURES water into waste treatment facilities.
Cont Trea	ain spill and t t as oil spill.	hen flus	sh with	water into waste treatment facilities.
Cont Trea	ain spill and t t as oil spill.	hen flus	sh with	water into waste treatment facilities. consistent with federal, state
Cont Trea	ain spill and t t as oil spill.	hen flus	sh with	water into waste treatment facilities.
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Cont Trea waste disposal w RESPIRATORY PROT	ain spill and to the spill and to the spill and to the spill and to the spill. SECTION (Specify type) LOCAL EXHAUST MECHANICAL (General Section (General Sec	n viii None Acce	sh with manner uid was SPECIAL e require	consistent with federal, state ste regulations. PROTECTION INFORMATION ed SPECIAL OTHER
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Cont Trea WASTE DISPOSAL W RESPIRATORY PROT VENTILATION PROTECTIVE GLOV OTHER PROTECTIVE	ain spill and to the spill and to the spill and to the spill and to the spill. District Or I SECTION (Specify type) LOCAL EXHAUST MECHANICAL (General ES EQUIPMENT	necessed of hen flus pose in local liques in local liques None Accesserally	sh with manner uid was SPECIAL e require eptable	water into waste treatment facilities. consistent with federal, state ste regulations. PROTECTION INFORMATION ed SPECIAL OTHER EYE PROTECTION Eyeglasses CIAL PRECAUTIONS
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International Chemical Co. Technical Report

INTERNATIONAL COMPOUND : 131-A

water Scluble compound for Machining and Grinding Aluminum

DESCRIPTION

International Compound (131-A is a water soluble oil recommended for use in grinding, machining, and roll terming of aluminum and its alloys, various grades of stainless steel and plastics in all types of equipment.

It is non-staining and exhibits a high degree of detergency to maintain clean, free cutting grinding wheels, prevent loading and buildup of gummy residues on machine tools. Excellent finishes are obtained in all machining and grinding operations.

OPERATIONAL DATA

Recommended Concentrations:

Machining Aluminum	-	4 - 5%
Grinding Aluminum	-	3%
Roll Forming Aluminum	-	5 - 6%
Grinding Stainless Steel	-	3%
Grinding Plastic	-	2%

The above concentration recommendations may vary slightly depending upon the severity of the operation.

SPECIFICATIONS

Pale Amber Liquid

Specific Gravity @ 60°F. (15.6°C.) 0.950

pH 5% Emulsion - 8.7

(9/77)

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Snippulioing, a	110 5	прогеакт	(29 CFR 1915, 191	0, 19171		
ASTE EIGH OF		SECT	ON I	SOME CHATTERIN WAR VE	POLICE.	
INTERNATIONAL CHEMICAL COMPANY 215-739-2313						
ADDRESS [Number, Street, City, State, and ZIP Co	del 26	28 N. M	ASCHER ST., PH	ILADELPHIA, PA.	1913	3
CHEMICAL NAME AND SYNONYMS	.A.		TRADE NA	ME AND SYNONYMS ATIONAL COMPOUND	#131	-A .
CHEMICAL FAMILY WATER SOLUBLE C		NT	FORMULA	N.A.		<u> </u>
SECTION	11 -	HAZAR	DOUS INGREDIE	NTS		
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND M	ETALLIC COATINGS	%	TLV (Units)
PIGMENTS	.0		BASE METAL	and working emprays of	0	
CATALYST	0		ALLOYS	ID YAM	0	
VEHICLE	0		METALLIC COATING	S TTIM	0	
SOLVENTS	0		FILLER METAL PLUS COATING OR C	ORE FLUX	0	
ADDITIVES	0		OTHERS		0	
OTHERS	. 0		3	a a committee days on the		
HAZARDOUS MIXTURE	OF C	THER LIO	UIDS, SOLIDS, OR GA	ses	%	(Units)
		NONE				
			11.4	Ances		
				EROSEIO .		
				., 3.		
· , SEC	TIO	NIII - P	HYSICAL DATA			
BOILING POINT (°F.)		212°F.	SPECIFIC GRAVITY			0.904
VAPOR PRESSURE (mm Hg.)	de.	23mmligh	PERCENT, VOLATILE	ATTAL MOTEON OF A SHO		45%
VAPOR DENSITY (AIR-1)		6_0	EXOTORENEON RATE		le	ss tha
SOLUBILITY IN WATER 100% WATER	IIS	CIBLE	(America)	ASSESSED AND ASSESSED ASSESSED AND ASSESSED ASSESSEDA ASSESSED ASSESSED ASSESSED ASSESSED ASSESSED ASSESSED ASSESSEDA		•
APPEARANCE AND ODOR AMBER	OIL	Y LIQUI	D - MILD ODOR	TO THE THE CO.	Kilo ve Kullet	ID-9
		F 4315 -	VDI 0010311147	DO DATA		
ELACH BOILT Malbad word	-		XPLOSION HAZA			Uel
PLASH POINT (Method used) . 155°F.,	-			1.02		6.0%
	MIÇA	L, CARE	ON DIOXIDE, SAI	ND	TVAS.	
SPECIAL FIRE FIGHTING PROCEDURES		• //	NONE ·			
=1				AND TUASES		19
UNUSUAL FIRE AND EXPLOSION HAZARDS		,	NONE		21111111111	

THRESHOLD LIMIT		ON V - HEALTH'H		
		UNKNOWN		
EFFECTS OF OVER	MAY	AUSE EYE AND/OR S	SKIN IRRITATION	
			OF THE STATE OF TH	
EMERGENCY AND	FIRST AID PROCEDURES	EYES - FLUSH	WITH AMPLE WATER	
10.21	******************	.SKIN - WASH	WITH SOAP AND WATER	
		k.		
	SE	TJON VI - REACT	VITY DATA	
TABILITY	UNSTABLE .	. CONDITIONS.TO AN	/010	
		17		
NCOMPATABILITY	(Materials to avoid)		COMPOUND TO SPLIT	
AZARDOUS DEC	MPOSITION PRODUCTS	ACIDS WILL CAUSE	COMPOUND TO SPELIT	
		2000	TIONS TO AVOID	
HAZARDOUS POLYMERIZATION		xx .		
	WILL NOT OCCU	A .		
	• 1 .			
TO BE TAKEN IN CA	SE MATERIAL IS RELEASED O	LECTED BY MEANS N	OST APPROPRIATE TO THE	
TO BE TAKEN IN CA	SE MATERIAL IS RELEASED OF RIAL SHOULD BE CO	LECTED BY MEANS NO. D BE DISPOSED OF	OST APPROPRIATE TO THE	100
TO BE TAKEN IN CA SPILLED MATE SITUATION, C	SE MATERIAL IS RELEASED OF RIAL SHOULD BE CONCLECTED OIL SHOU	LECTED BY MEANS NO. D BE DISPOSED OF	OST APPROPRIATE TO THE AS STATED BELOW:	· lead at the second
TO BE TAKEN IN CA	SE MATERIAL IS RELEASED OF RIAL SHOULD BE CO- OLLECTED OIL SHOU T. DISPOSE IN ACC	LECTED BY MEANS A LD BE DISPOSED OF	AS STATED BELOW:	OF
TO BE TAKEN IN CA SPILLED MATE SITUATION, C	SE MATERIAL IS RELEASED OF RIAL SHOULD BE CO- OLLECTED OIL SHOU T. DISPOSE IN ACC	DECTED BY MEANS AND BE DISPOSED OF CORDANCE WITH EPA. 10 180 (FEDERAL REGIONS AND ADDRESS OF THE PA. 10 180 (FEDERAL RE	AS STATED BELOW: REGULATIONS IN EFFECT AS USTER, VOL. 45, NO. 98,	OF
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TO BE TAKEN IN CAL SPILLED MATE SITUATION, C DISPOSAL METHOD	DISPOSE IN ACC NOVEMBER 19, 1 SECTION VII	DECTED BY MEANS AND BE DISPOSED OF DECEMBER OF SECIAL PROTE	AS STATED BELOW: REGULATIONS IN EFFECT AS ISTER, VOL. 45, NO. 98, 19, 1980) CTION INFORMATION	
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LUSCON INDUSTRIES CORPORATION



281 SILVER SANDS ROAD EAST HAVEN, CONN. 06512 (203) 469-2336

PRODUCT DATA

VELVESOL 30

DESCRIPTION:

VELVESOL 30 is a unique semi-synthetic cutting and grinding fluid designed to provide the lubricity of a soluble oil and also the cooling of a synthetic coolant. VELVESOL 30 is heavy duty for use on all alloys from tough aircraft type to aluminum where simple lubricity is needed to resist galling. VELVESOL 30 has a clean liquid residue and provides exceptional rust and rancidity control. Its unique formula provides a self-generating defoaming action which can not be lost.

APPLICATION:

Recommended starting dilutions - medium machineability metals.

OPERATION	DILUTION	A/O REFRACTOMETER	TITRATION
Turning, milling, drilling Tapping, broaching Centerless grinding	20-30:1 10-15:1 20-30:1	1.4-2.0 ' 2.7-4.0 1.4-2.0	14-21 27-41 14-21
General grinding	40-60:1	0.7-1.0	70

TYPICAL INSPECTIONS:

Specific Gravity	1.03
pH, 5%	9.4
Falex, 4%, 1bs	4500+
Color, Concentrate	Dark Blue
Color, Dilute	Transparent Blue

SAFETY: VELVESOL 30 is considered non-hazardous in normal use. VELVESOL 30 is free of nitrites, phenols, mercurials, p.c.b.'s and chlorine. OSHA 20 Sheet-is available upon request.

Occu tional Safety and Health Administration

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SE	CTION I
MANUFACTURER'S NAME Luscon Industries Corporation	EMERGENCY TELEPHONE NO. (203) 469-2336
ADDRESS (Number, Street, City, State, and ZIP Code) 281 Silver Sands Road, East Haven,	Connecticut 06512
CHEMICAL NAME AND SYNONYMS	Velvesol 30 , 33
CHEMICAL FAMILY Semi-Synthetics	FORMULA

PAINTS, PRESERVATIVES, & SOLVENTS	*	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units
PIGMENTS		N/A	BASE METAL		N/A
CATALYST	20	N/A	ALLOYS		N/A
VEHICLE	1	N/A	METALLIC COATINGS		N/A
SOLVENTS		N/A	FILLER METAL PLUS COATING OR CORE FLUX		N/A
ADDITIVES		N/A	OTHERS		N/A
OTHERS	1000	N/A.			
HAZARDOUS MIXTURE	SOF	THER LIC	DUIDS, SOLIDS, OR GASES	%	TLV (Units)
Non-hazardous material as	defi	ned			
				-	

ECTION III - P	HYSICAL ĐATA	
212	SPECIFIC GRAVITY (H20=1) 77/77°F	1.03
10	PERCENT, VOLATILE BY VOLUME (%)	60
>1	EVAPORATION RATE	>1
complete	-	
	212 10 > 1	10 PERCENT, VOLATILE BY VOLUME (%) > 1 EVAPORATION RATE (_BUAC =1)

FLASH POINT (Method used)	None COC	FLAMMABLE LIMITS	N/A ^{ol}	N/A
EXTINGUISHING MEDIA	0, dry chemical, wa	ter fog, foam		
SPECIAL FIRE FIGHTING PR	ocenures se air-supplied resc	ue equipment in containe	ed areas.	
UNUSUAL FIRE AND EXPLOS	NON HATAROS			

SPEE (III	SECTION V - HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE	classified non-hazardous material
EFFECTS OF OVEREXPOSURE	Effects similar to mild soap and water solution
EMERGENCY AND FIRST AID PR	OCEDURES
	OCEDURES Tingested in large quantities, treat as ingestion of
	mildly alkaline soap and water solution.

STABILITY	UNSTA	BLE	CONDIT	CONDITIONS TO AVOID				
	STABLE							
INCOMPATABIL	CHANGE OF SHIP CONSTRUCTION	***************************************	171	. Extratoration nexts				
Walter Committee				NO,, CO, SO ₂				
HAZARDOUS	M	AY OCCUR	113	CONDITIONS TO AVOID				
POLYMERIZATI		ILL NOT OCCUP	X					

SECTION VII - SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Absorb spillage and flush residual with water
Non-hazardous externos especiales
WASTE DISPOSAL METHOD Dispose in accordance with local, state and federal laws governing disposal
of mildly alkaline detergent solutions containing organic nitrogen derivatives.

CWINFARE	SECTION VIII - SPECI	AL-PROTECTION	INFORMATION	•:			
RESPIRATORY PI	ROTECTION (Specify type) —	VY Designation		I sky			
VENTILATION .	LOCAL EXHAUST	SPECIAL	gg (2.0)90				
	MECHANICAL (General)	AZARDOUS INOR	OTHER				
PROTECTIVE GLOVES		Safety glasses in accordance with standard					
OTHER PROTECTIVE EQUIPMENT			practices.				

SECTION IX - SPECIAL PRECAUTIONS											
RECAUTIONS	TO	BE TAKEN	IN HANDLING	AND S	TORING	3			(ZOE)	1 489-5338	
Store	in	closed	container	away	from	extreme	heat	and	open	flame:	
THER PRECA	UTIC	ONS									